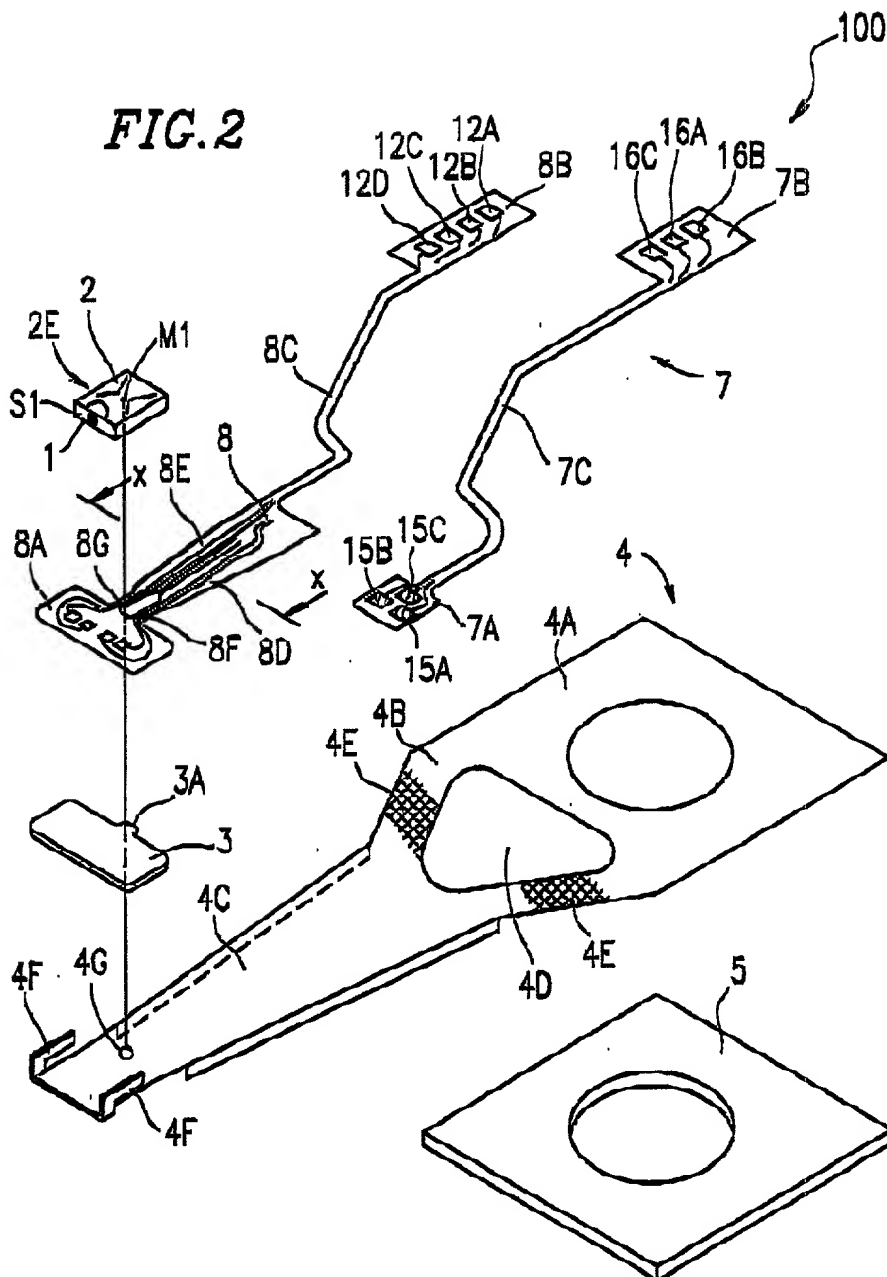




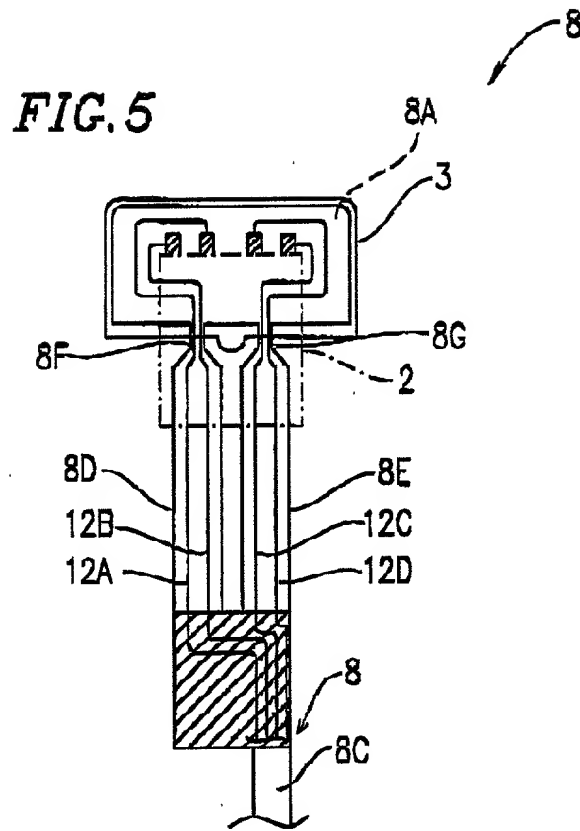
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**FIG. 2**



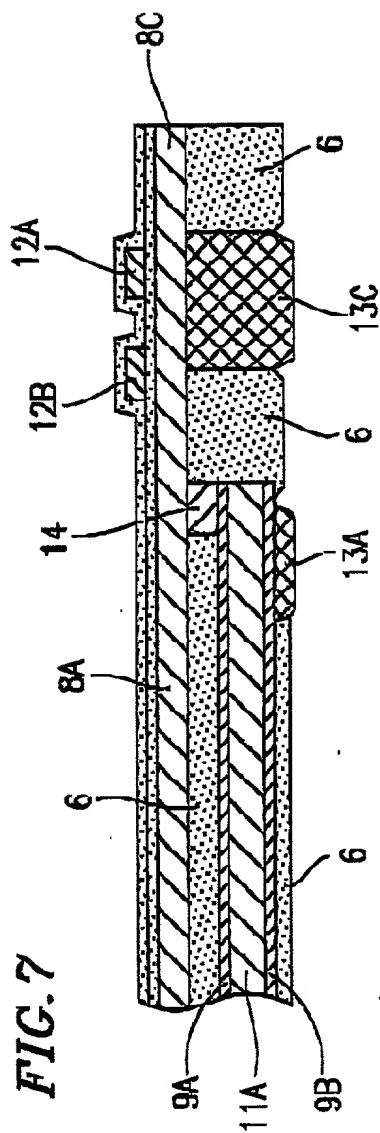


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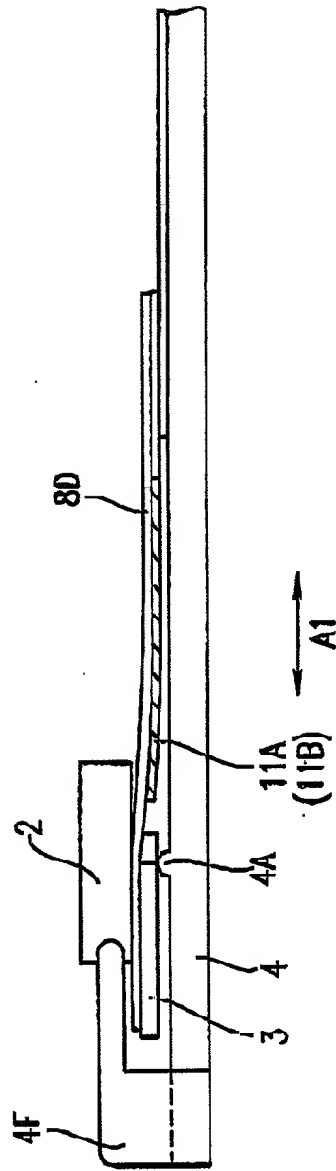


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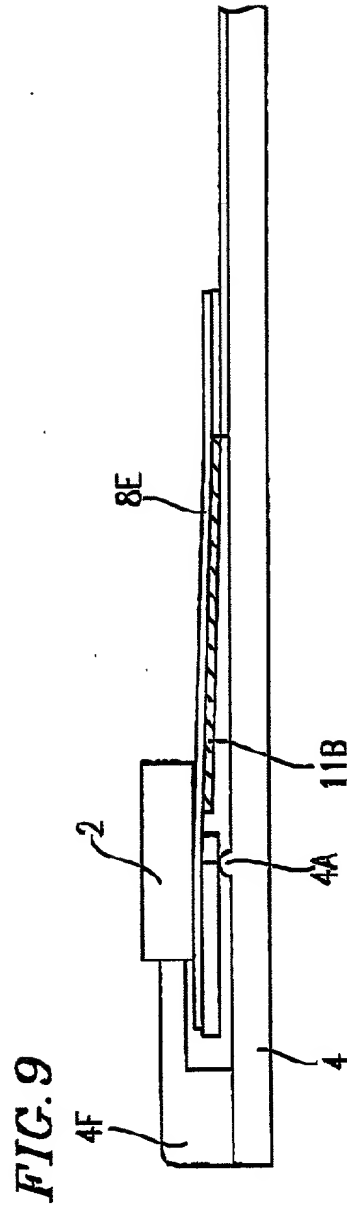


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FIG. 8

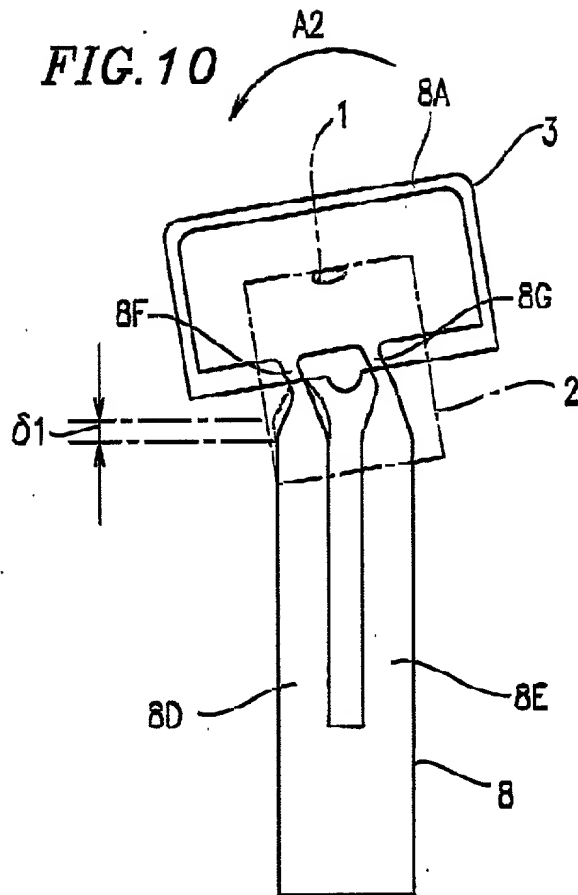


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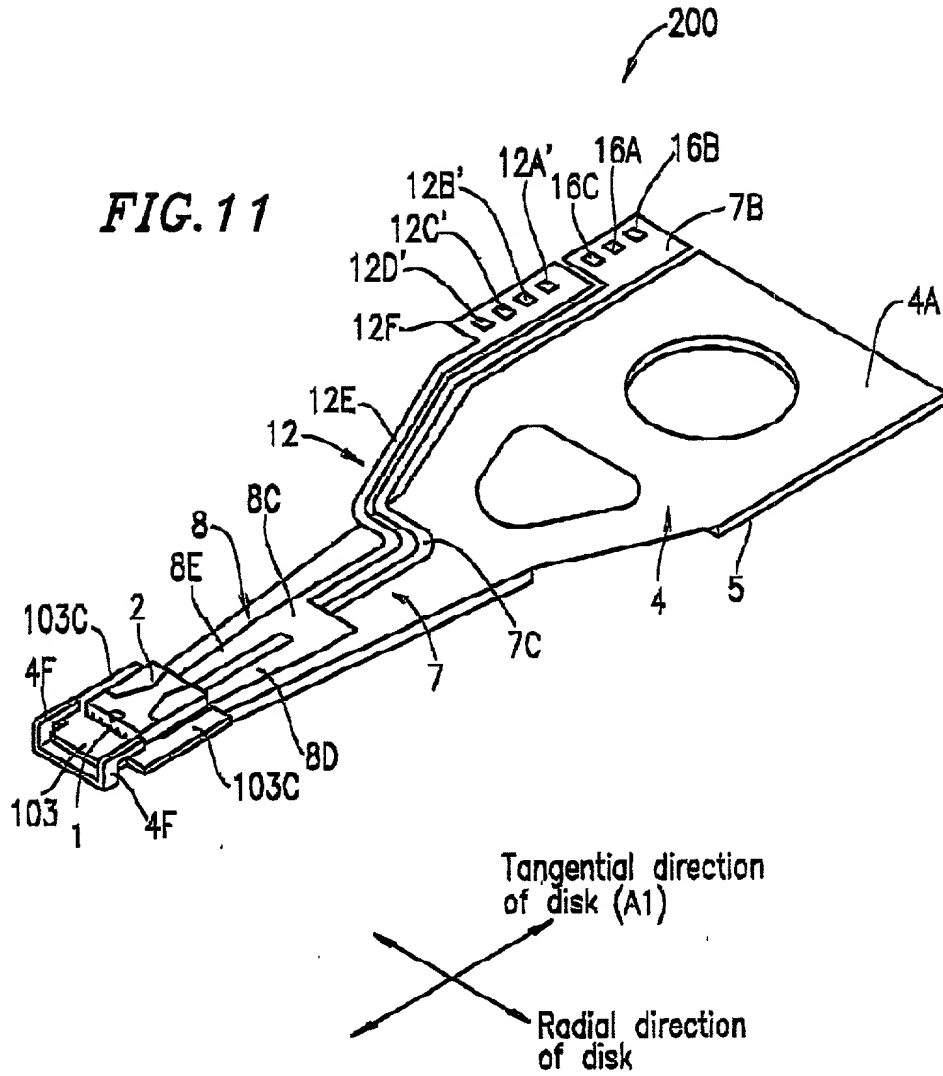
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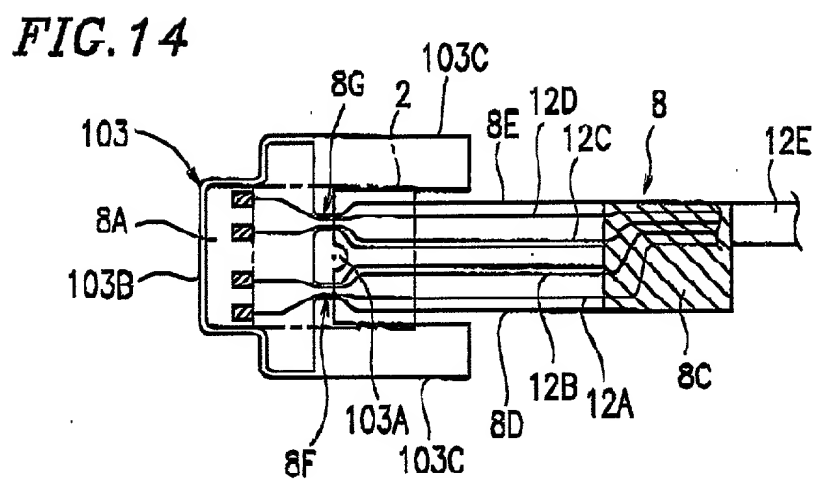
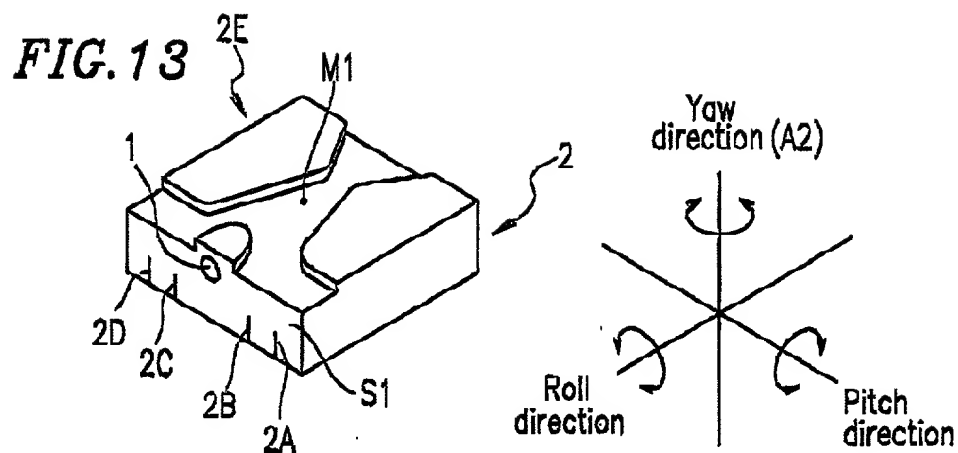
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FIG. 11





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FIG. 15

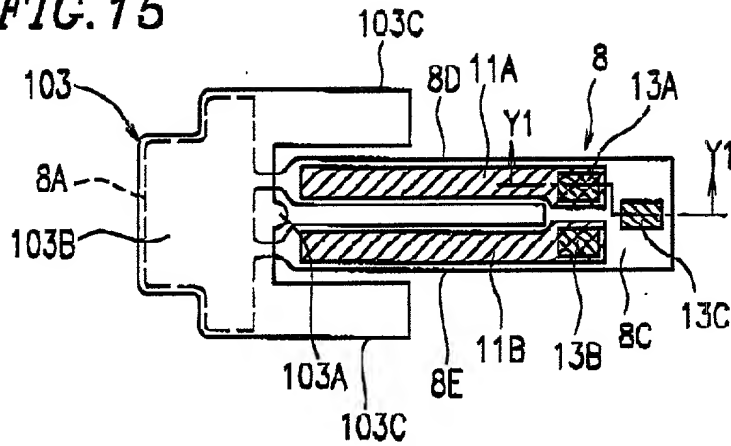
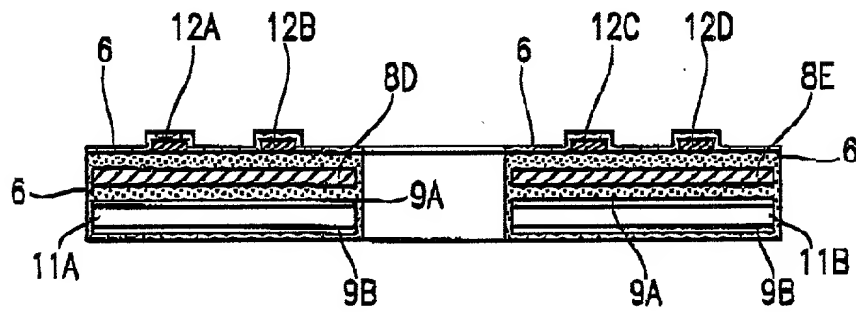


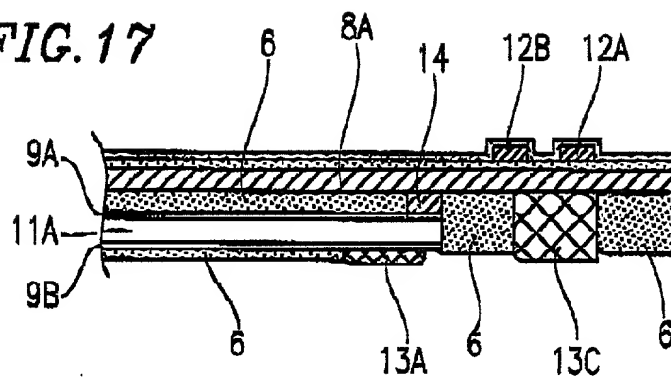
FIG. 16



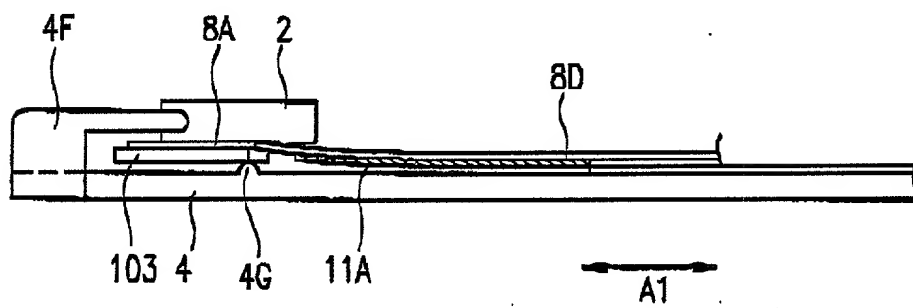
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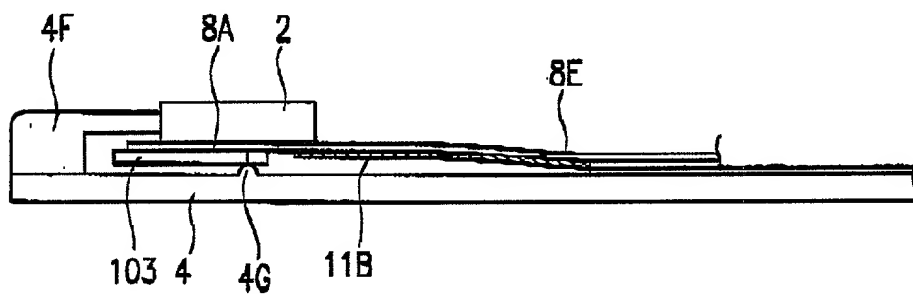
**FIG. 17**



**FIG. 18**



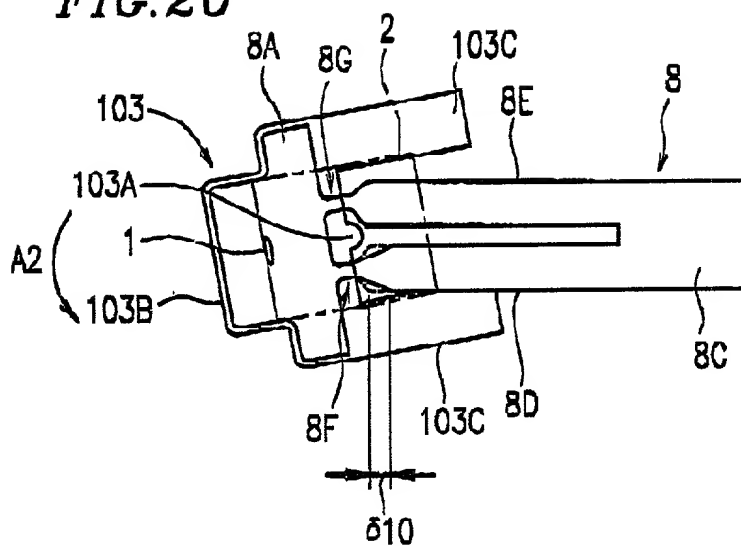
**FIG. 19**



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**FIG. 20**



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FIG. 21A

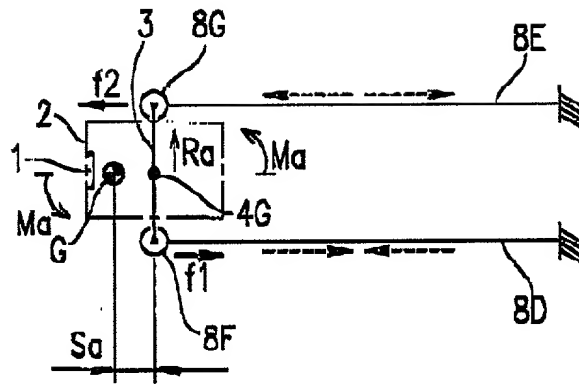
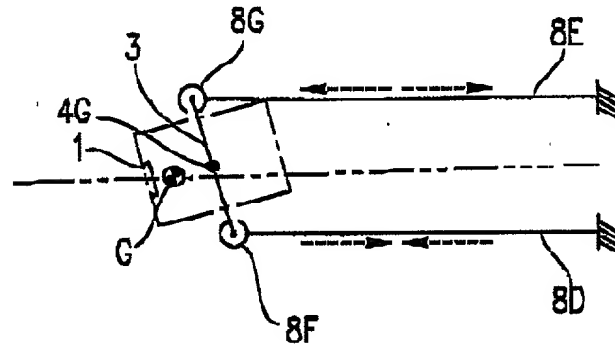


FIG. 21B







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FIG.23A

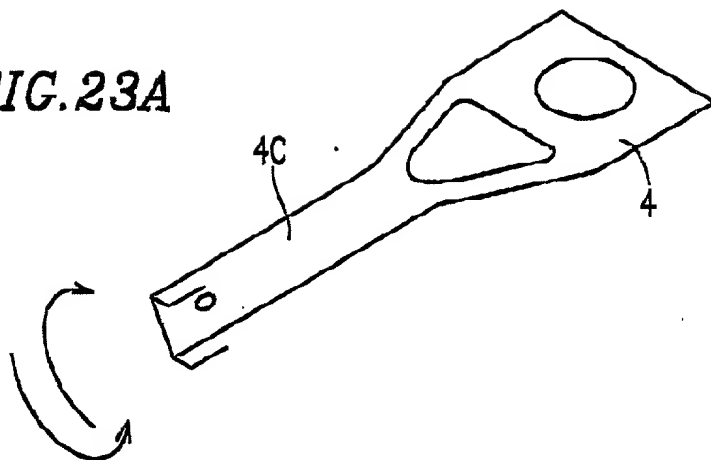


FIG.23B

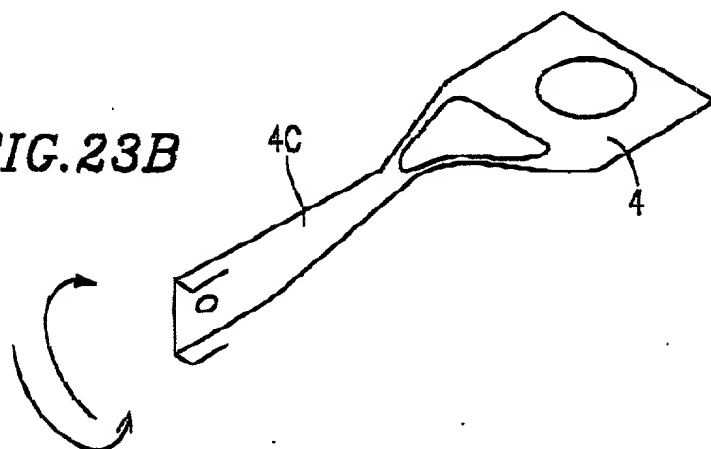
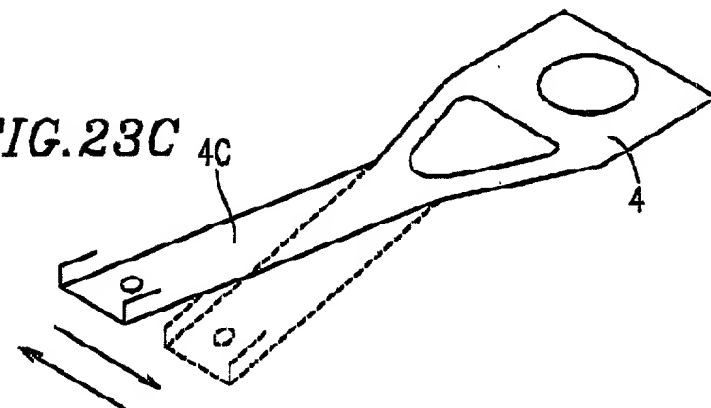
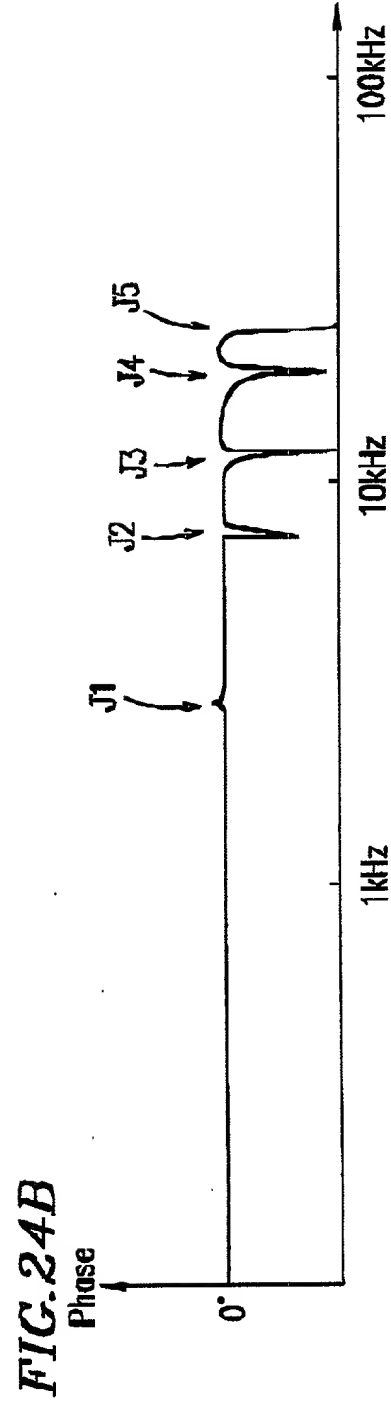
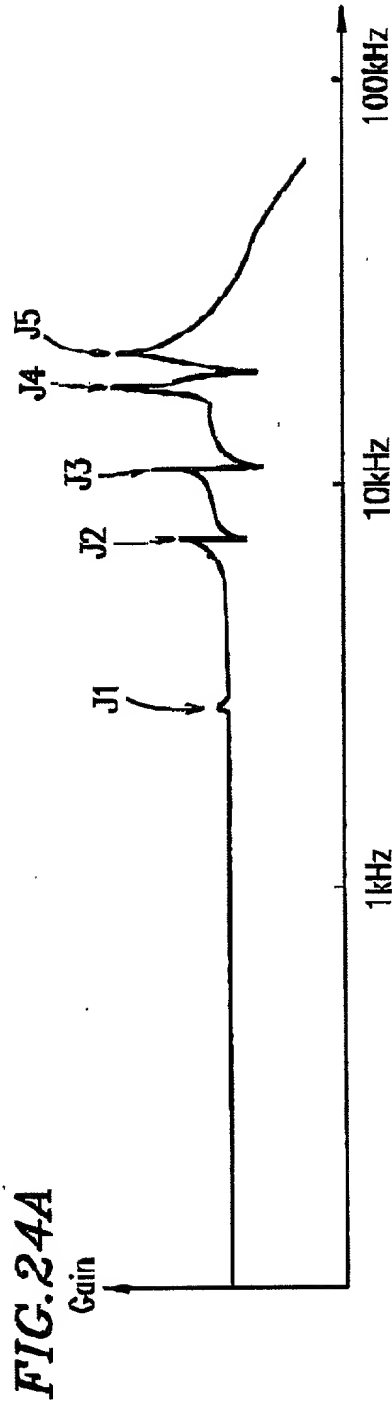


FIG.23C



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FIG. 25A

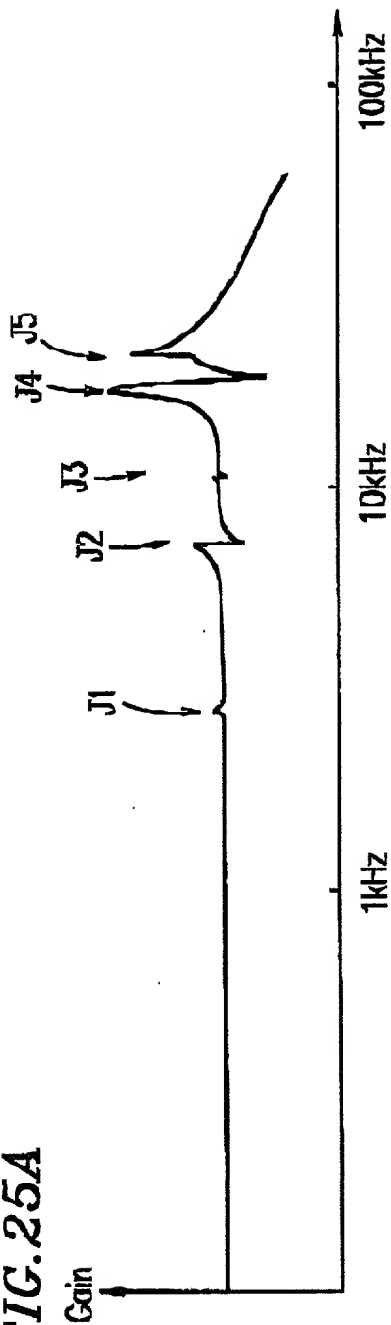
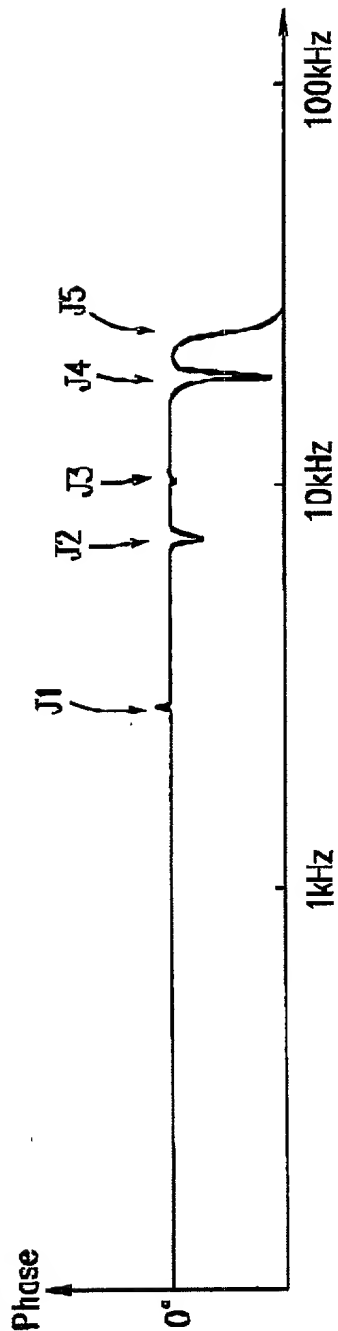


FIG. 25B





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FIG. 27A

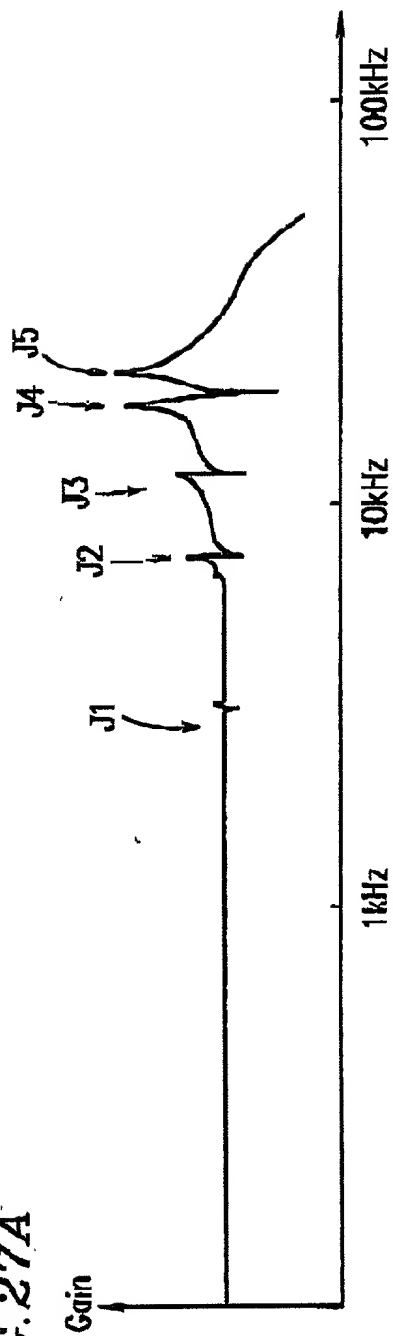
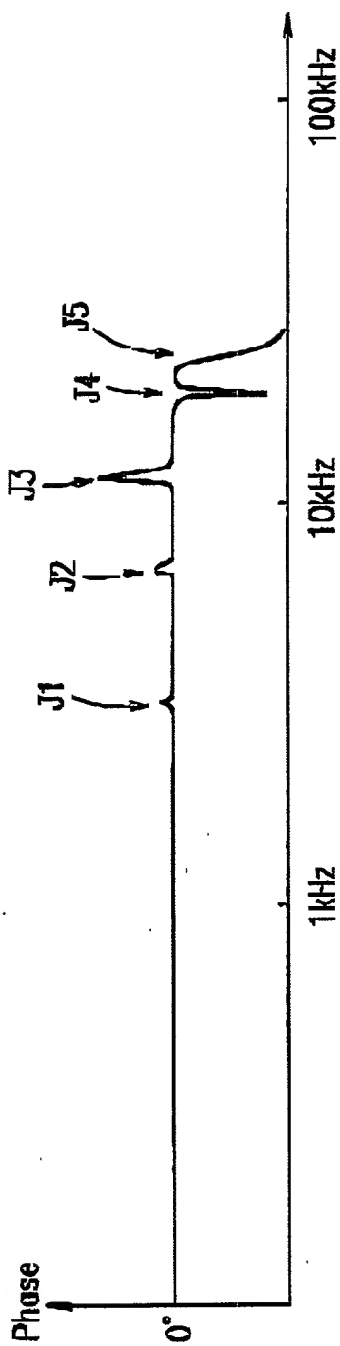


FIG. 27B



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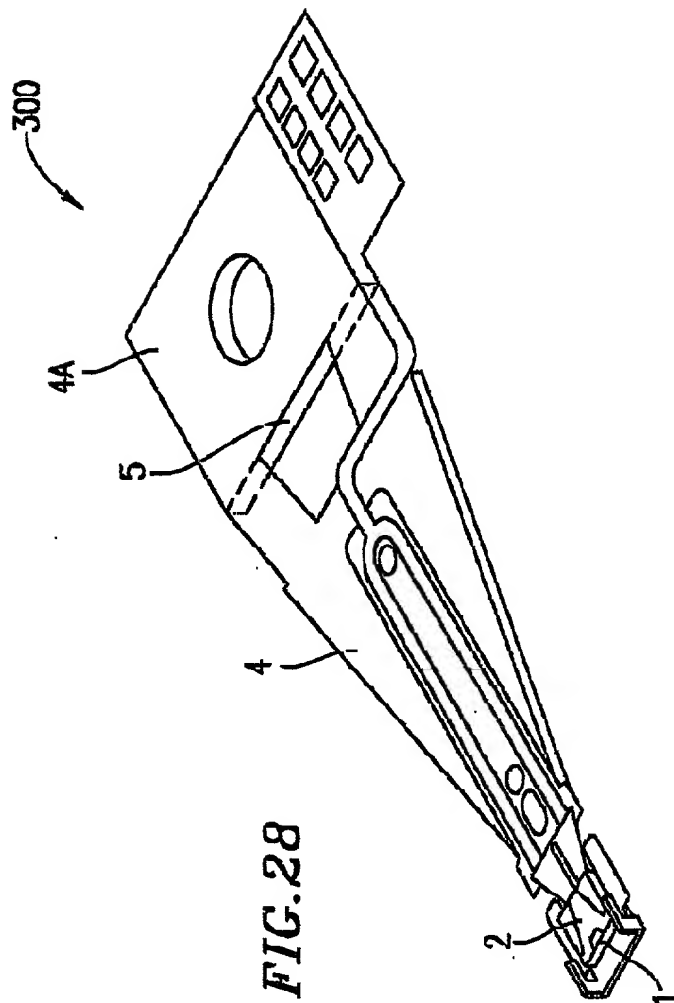
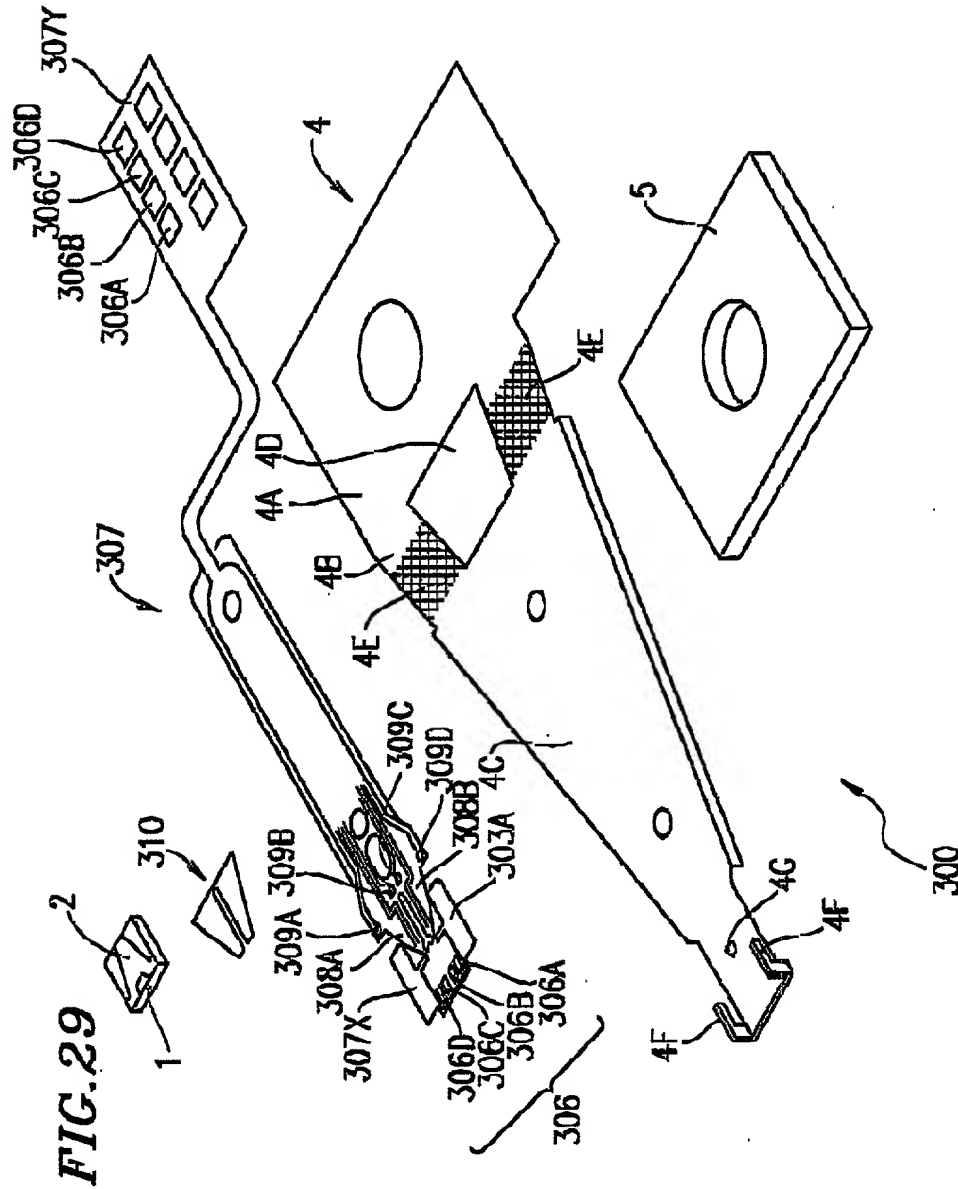


FIG. 28

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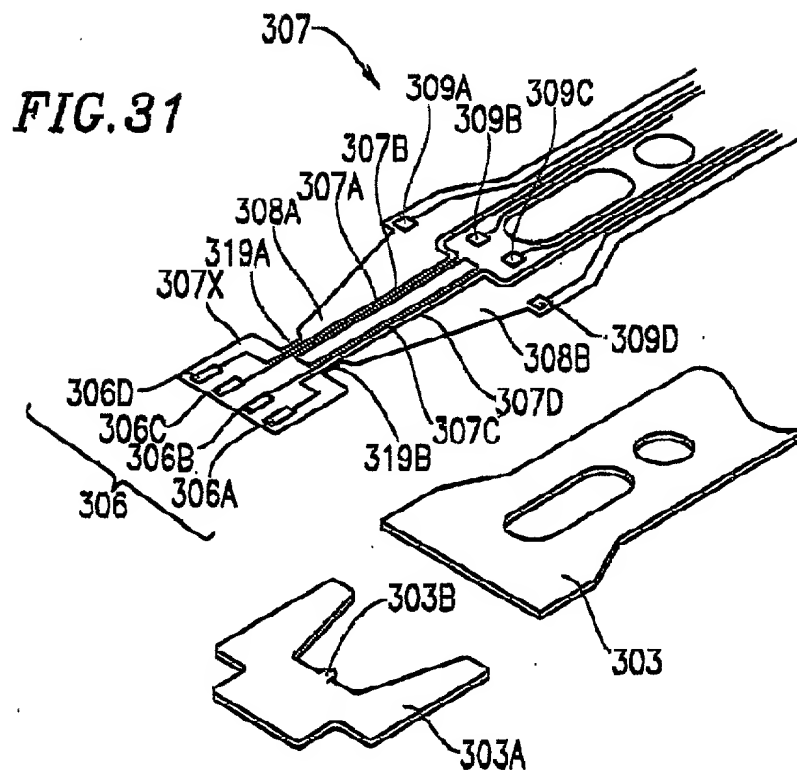
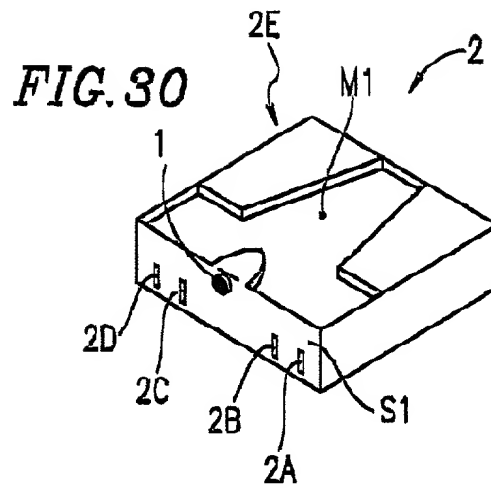
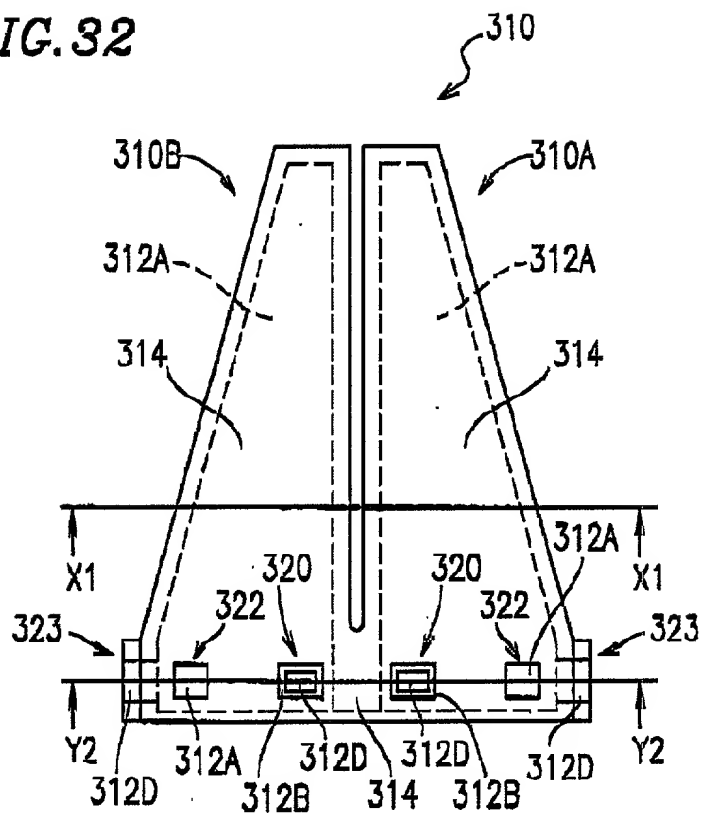


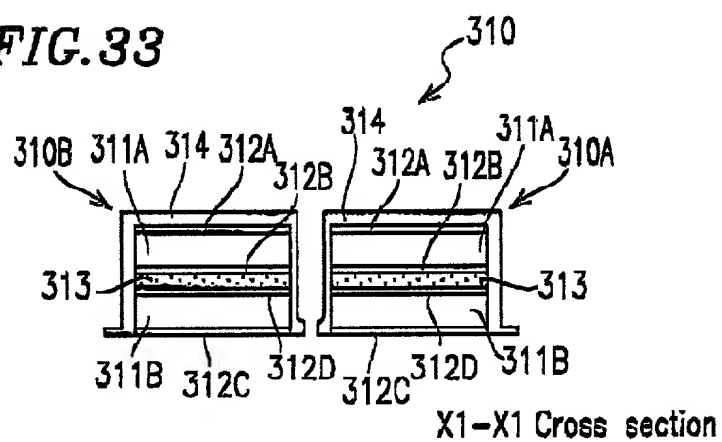
FIG. 30

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FIG. 32



**FIG. 33**



**X1-X1 Cross section**

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**FIG. 34**

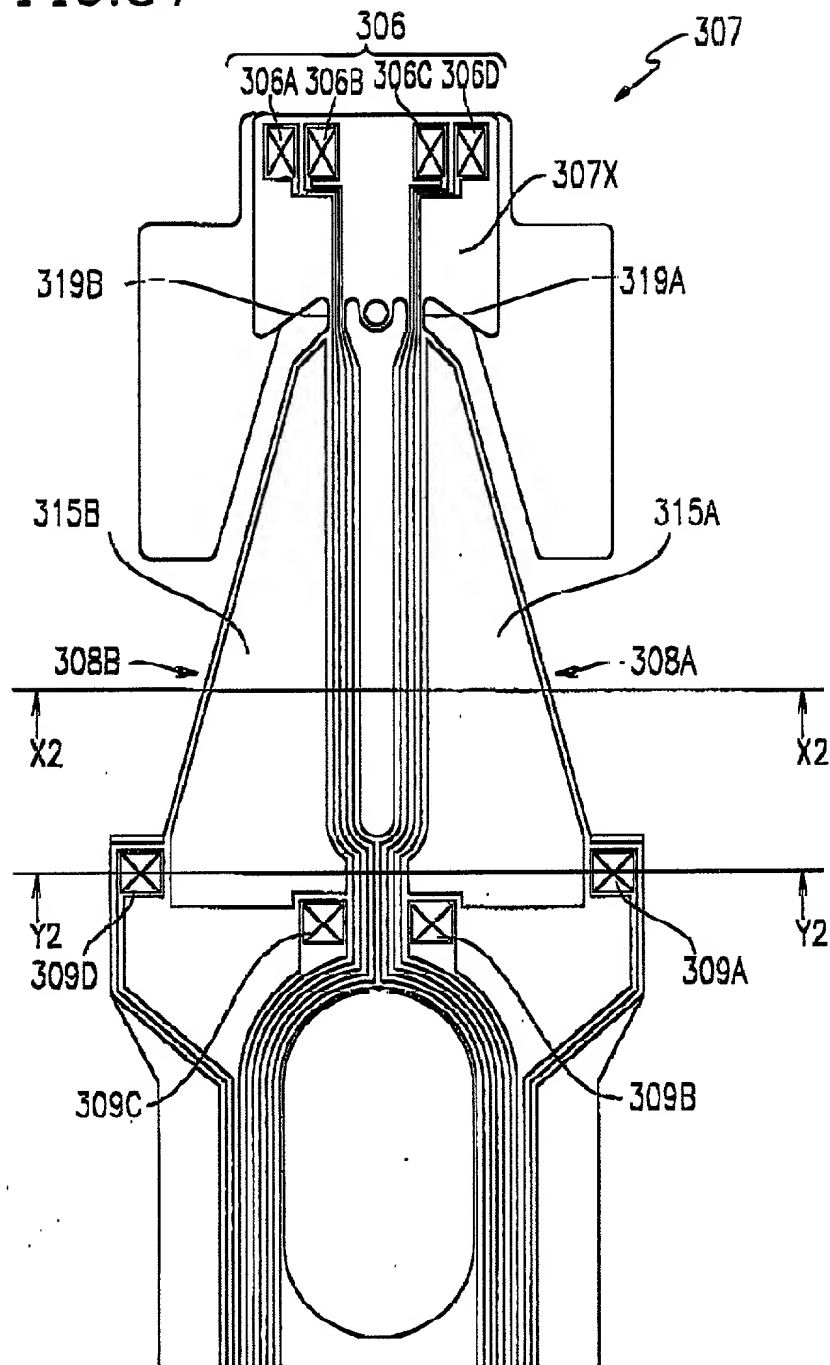
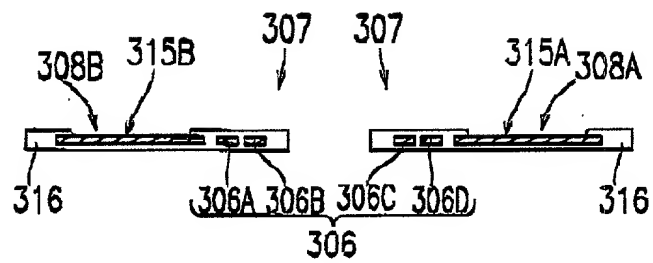


FIG. 34

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**FIG. 35**



X2-X2 Cross section

FIG. 35

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FIG. 36

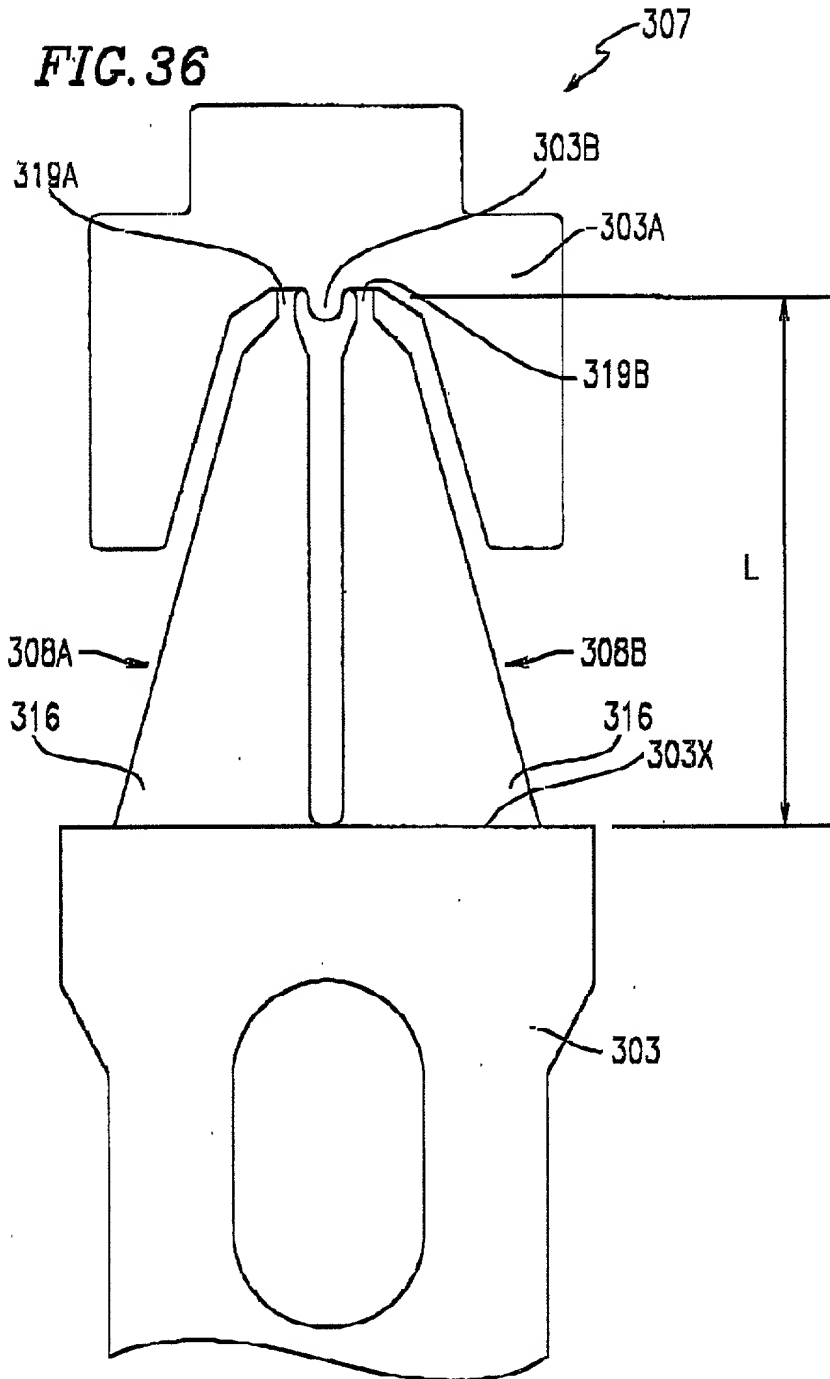
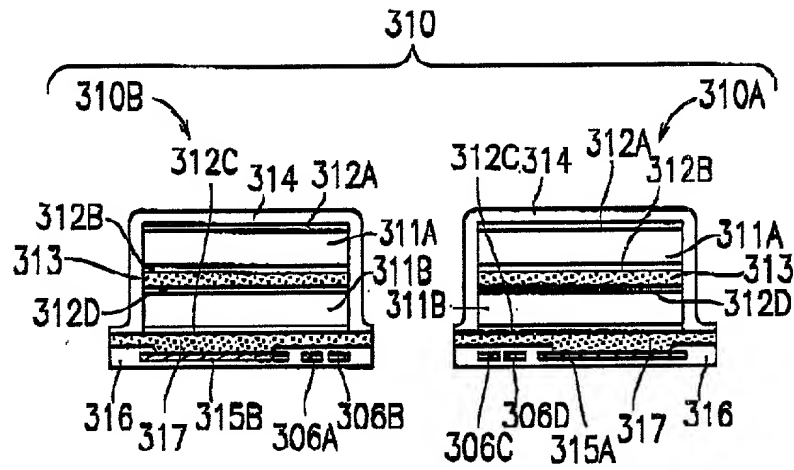


FIG. 36

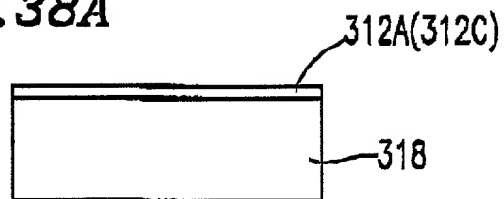
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FIG. 37

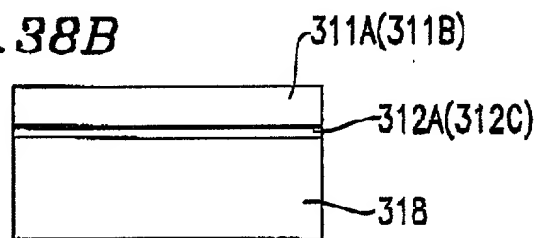


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**FIG. 38A**



**FIG. 38B**



**FIG. 38C**

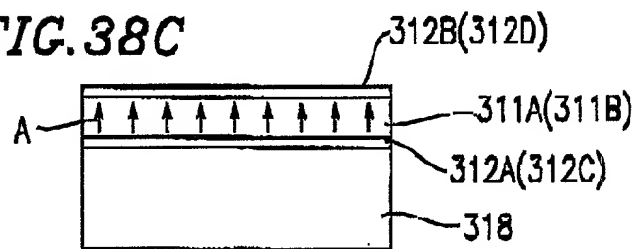


FIG. 38A

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FIG. 39A

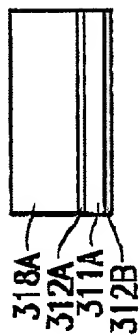


FIG. 39B

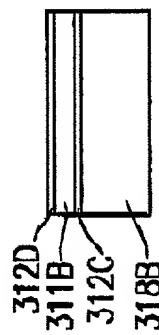


FIG. 39C

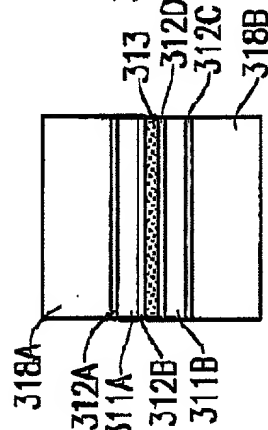


FIG. 39D

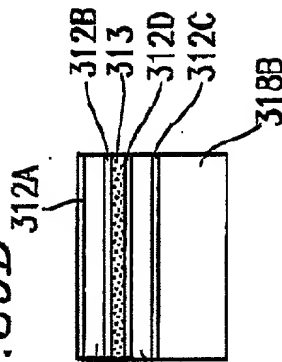


FIG. 39E

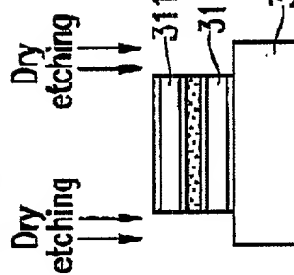


FIG. 39F

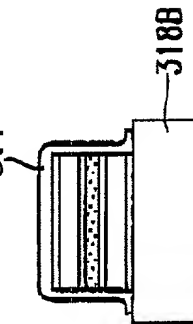


FIG. 39G





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FIG. 40

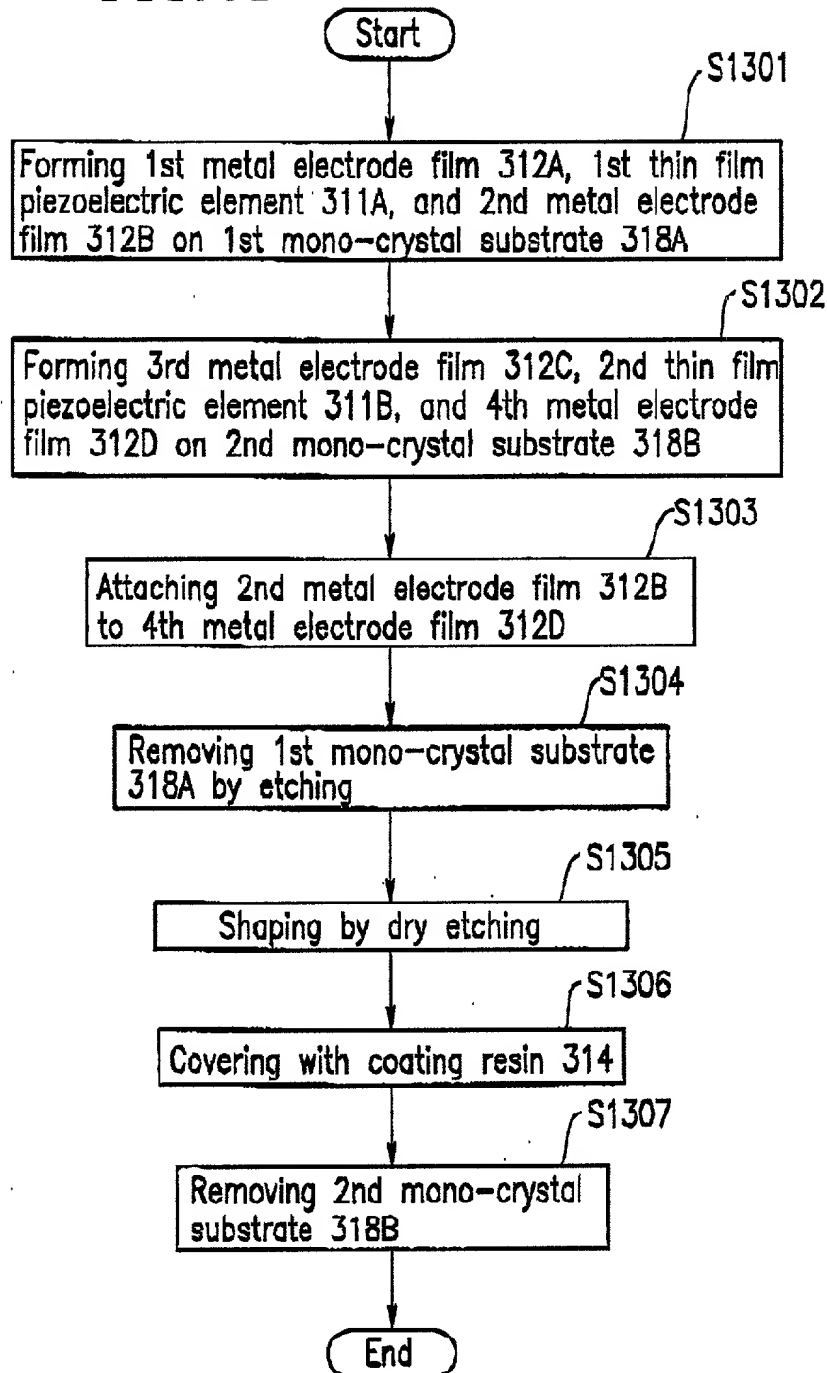


FIG. 40

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FIG. 41

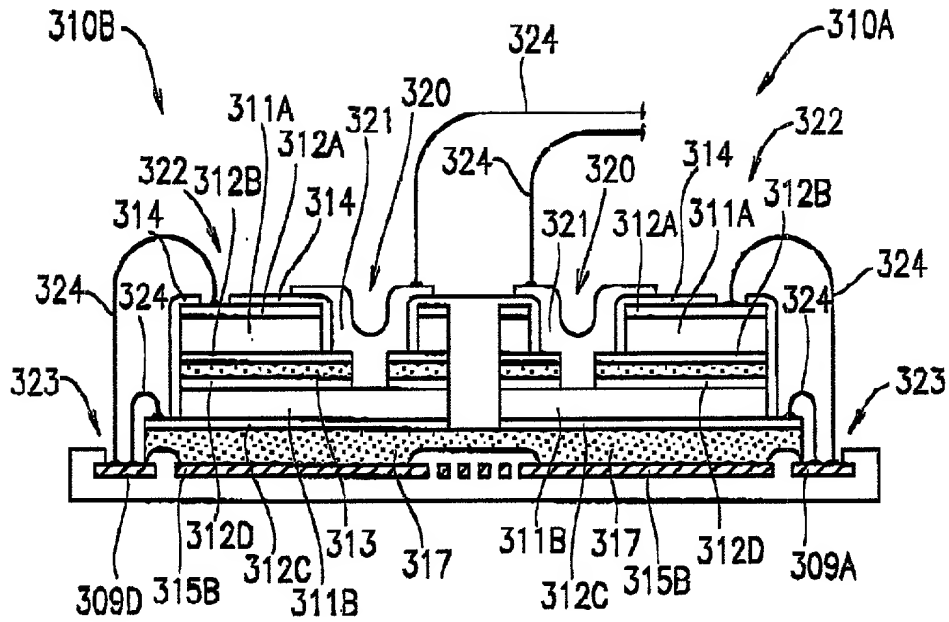
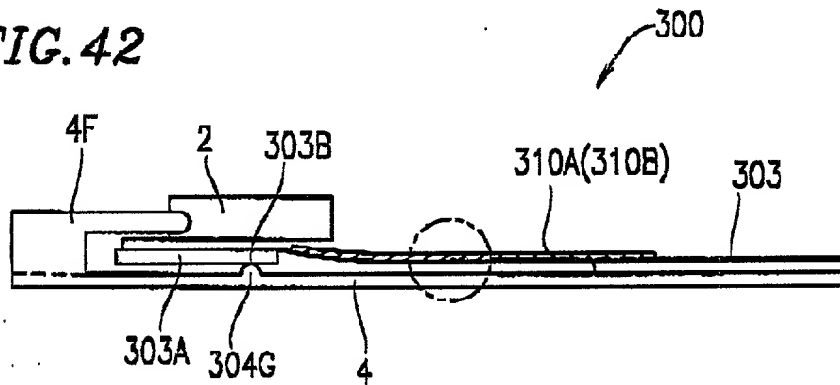
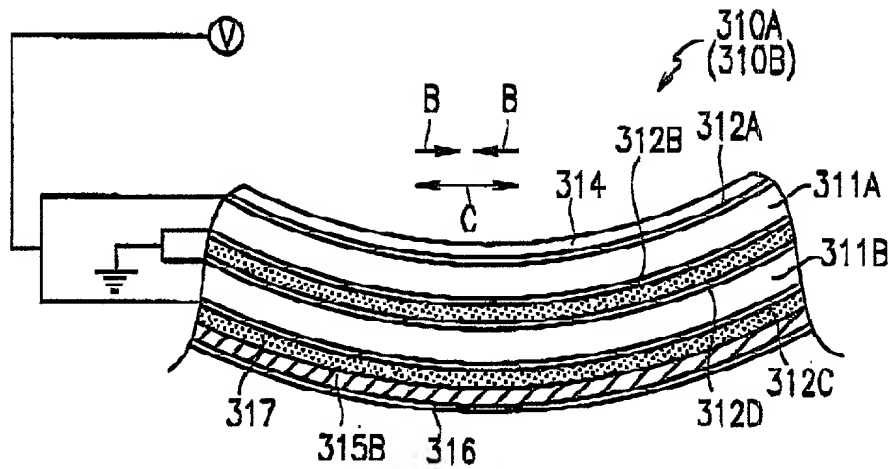


FIG. 42



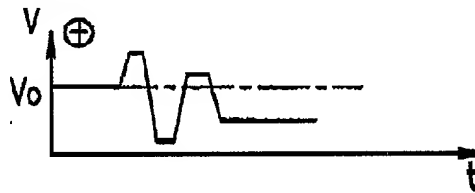
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**FIG. 43A**



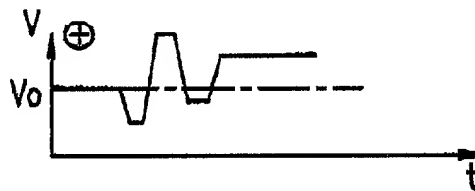
**FIG. 43B**

Voltage applied to  
thin film piezoelectric  
terminal 309A



**FIG. 43C**

Voltage applied to  
thin film piezoelectric  
terminal 309D



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FIG. 44A

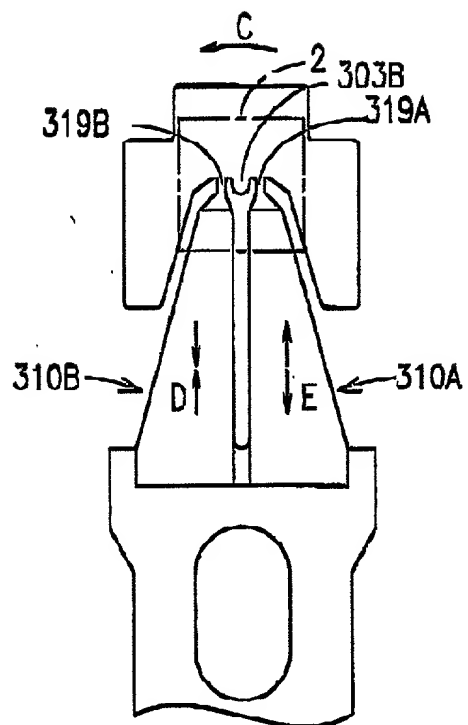


FIG. 44B

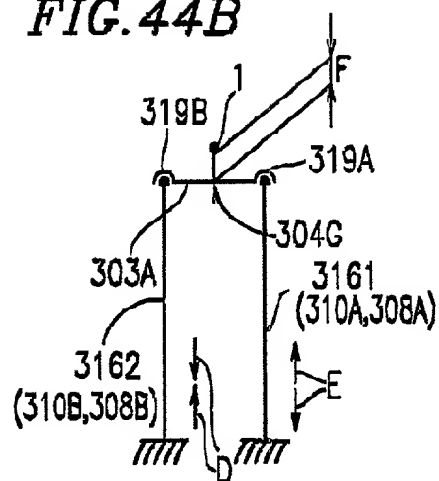
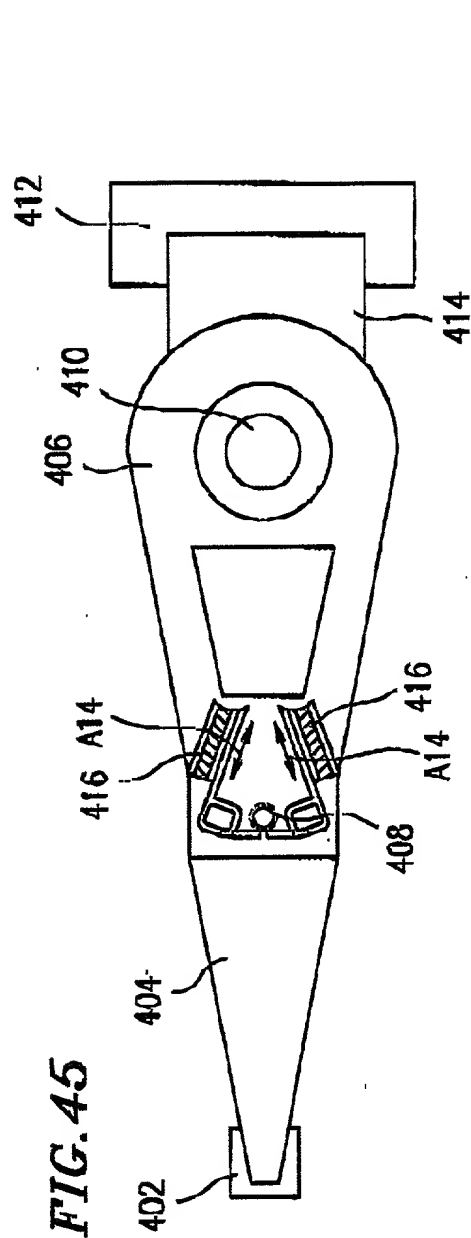


FIG. 44A

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